

APPENDIX A (Clean Version)

Amended Claims 18 and 31, new Claims 56 and 57

4. D5

18. In a process for making an absorbent sheet material from a web of fibrous material consisting predominately of cellulosic recycle fiber, the improvement which comprises treating the fibrous material with a debonding composition which includes a synergistic combination of:

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(a) a quaternary ammonium surfactant component; and OCT 15 2001

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(b) a nonionic surfactant component;

wherein said nonionic surfactant component is selected from the group consisting of group c, d or e and wherein group:

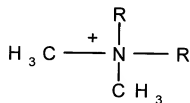
- (c) are monoalkylated nonionic surfactants comprising alkoxyated fatty acids or alkoxyated fatty alcohols having an **HLB** value of greater than about 10 wherein said fatty acids and fatty alcohols have 12 carbon atoms or more;
- (d) are dialkylated nonionic surfactants comprising alkoxyated fatty acids or alkoxyated fatty alcohols with an **HLB** value of greater than about 10 wherein said fatty acids or fatty alcohols have about 16 carbon atoms or more;
- (e) are dialkylated nonionic surfactants comprising alkoxyated fatty alcohols or alkoxyated fatty acids having an **HLB** value of less than about 10 and wherein said fatty alcohols and fatty acids have about 16 carbon atoms or less.

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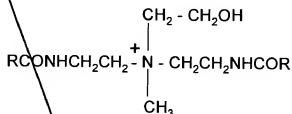
31. In a process for making an absorbent sheet material from a web of fibrous material consisting predominately of cellulosic recycle fiber, the improvement which comprises treating the fibrous material with a debonding composition which includes a synergistic combination of:

- (a) a quaternary ammonium surfactant component comprising a surfactant compound selected from the group consisting of:

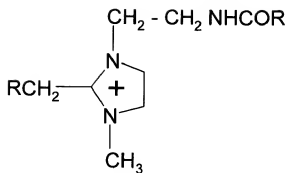
a dialkyldimethylammonium compound of the formula:



a bis-dialkylamidoammonium compound of the formula:



; and a dialkylmethylimidazolinium compound of the formula:



wherein each R may be the same or different and each R indicates a hydrocarbon chain, saturated or unsaturated, having a chain length of from about twelve to about twenty-two carbon atoms; and wherein said compounds are supplied to the fibrous material with a suitable anion; and

(b) a nonionic surfactant component;

wherein the debonding composition is operable to reduce the tensile strength of said sheet by at least about 25 percent by application to said fibrous material at a treatment level of 1 mole of said quaternary ammonium surfactant component per ton of fibrous material and further, wherein said nonionic surfactant component is present in said debonding composition in an amount of from about 25 to 60 weight percent based on the combined weights of said nonionic surfactant component and said quaternary ammonium surfactant component.